Visualizing SQUARE ROOTS

How can you make a ruler capable of measuring square roots?
Given: \( y_1 = 1.6x + 2.8 \) and \( y_2 = 1.6x - 2 \)

Prove: The two lines are parallel.

Given: Two lines whose slopes when multiplied equal to negative one.

Prove: The two lines are perpendicular.
Can a single circle be drawn through any three non-collinear points on the coordinate plane?

Before tackling the above task, let’s start with the following:

Find the center of the circle that contains the points (3, 6), (1, 1), and (5, 2)
Classifying Triangles WITHOUT a Protractor

Given two edges of known length, what are the lengths for a third edge that will result in the formation of an obtuse triangle?

As before, let's start with a concrete version:
Using Geometry-based reasoning, show that a triangle with sides measuring 6, 20, and 23 is an obtuse triangle.